

FIG. 1

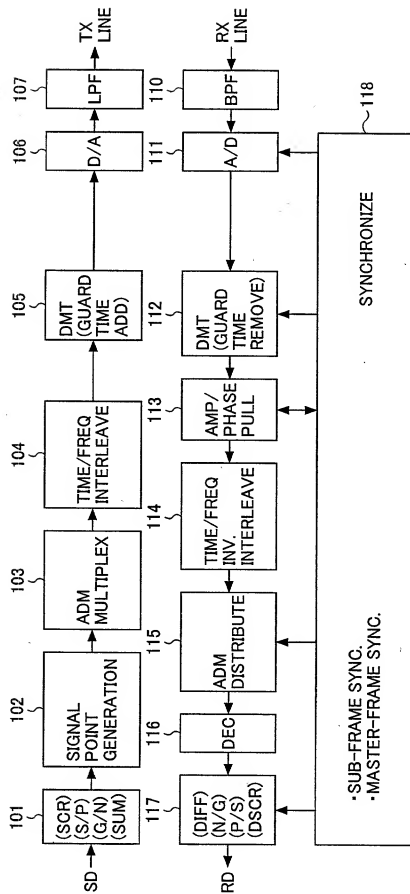


FIG.2A

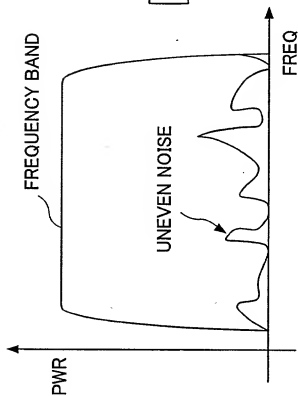


FIG.2B

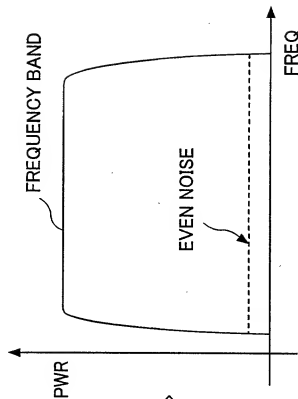


FIG.3

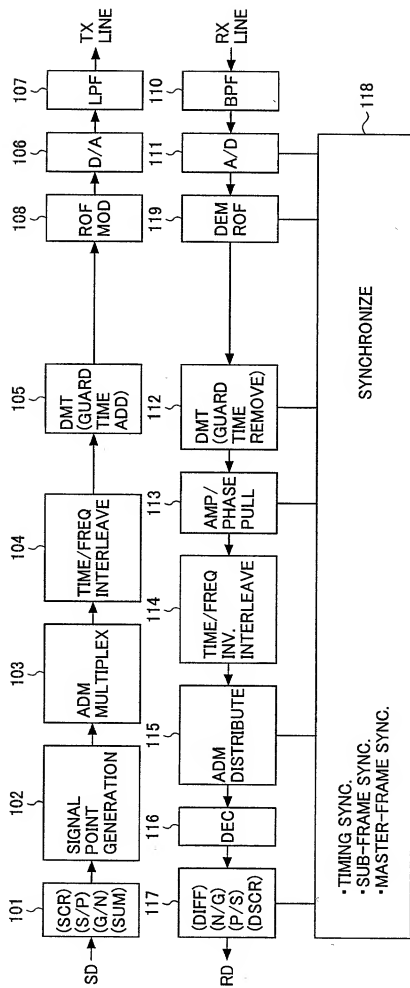


FIG. 4

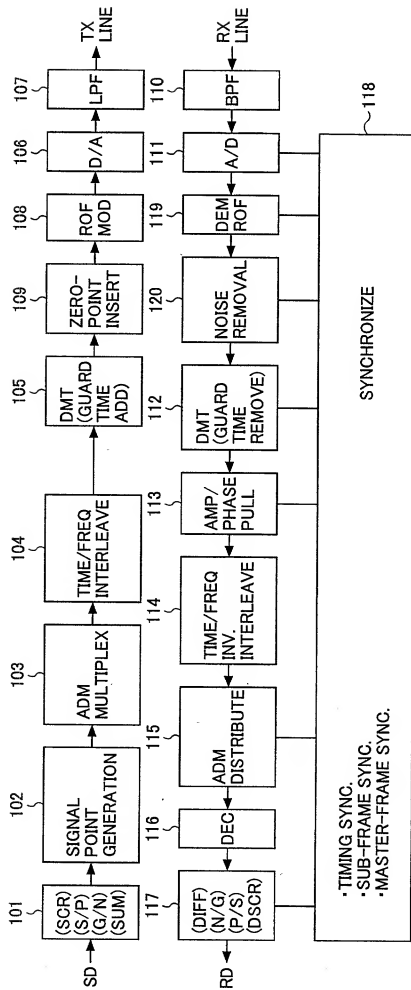
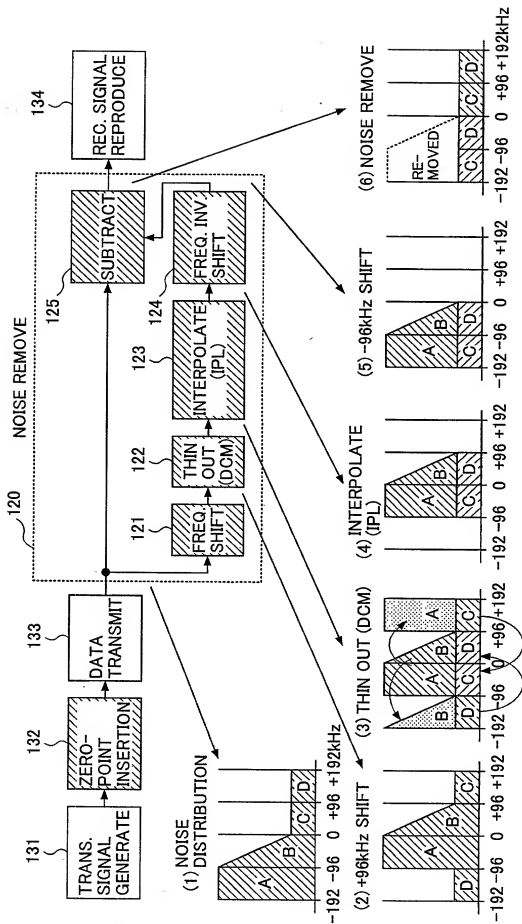


FIG.5



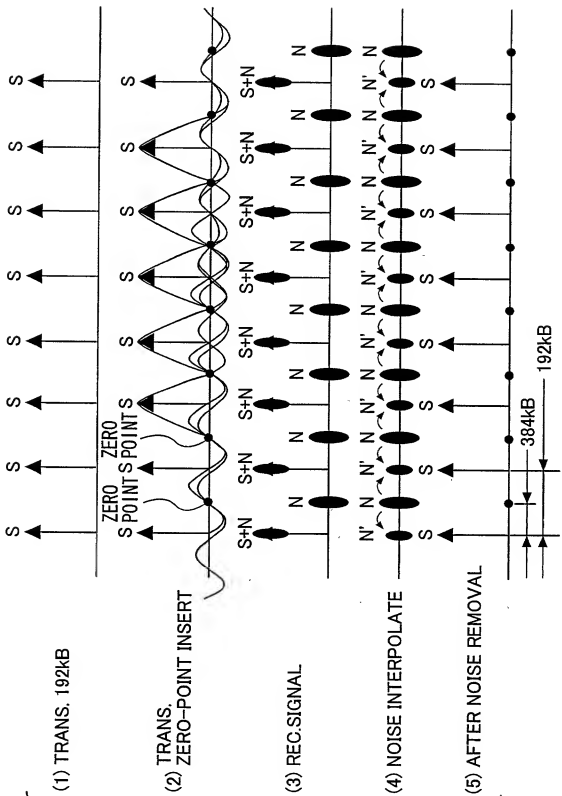
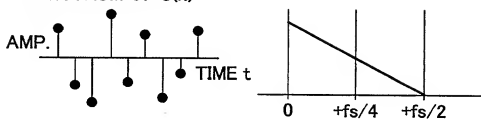


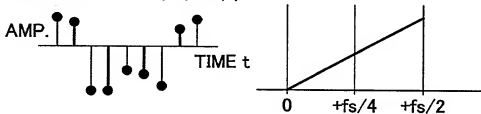
FIG.6

FIG.7

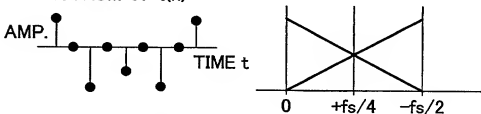
- (1) SAMPLED VALUES AND SPECTRUM OF $S(n)$



- (2) SAMPLED VALUES AND SPECTRUM OF $(-1)^n S(n)$



- (3) SAMPLED VALUES AND SPECTRUM OF $t(n)$



- (4) SAMPLED VALUES AND SPECTRUM OF $u(n)$

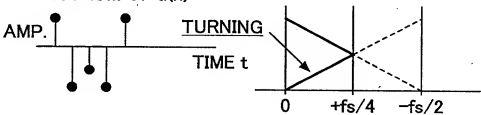
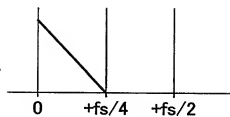
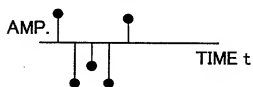


FIG.8

(1) SAMPLED VALUES AND SPECTRUM OF $u(n)$



(2) SAMPLED VALUES AND SPECTRUM OF $t(n)$

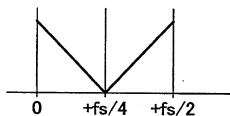
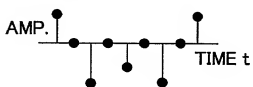


FIG.9

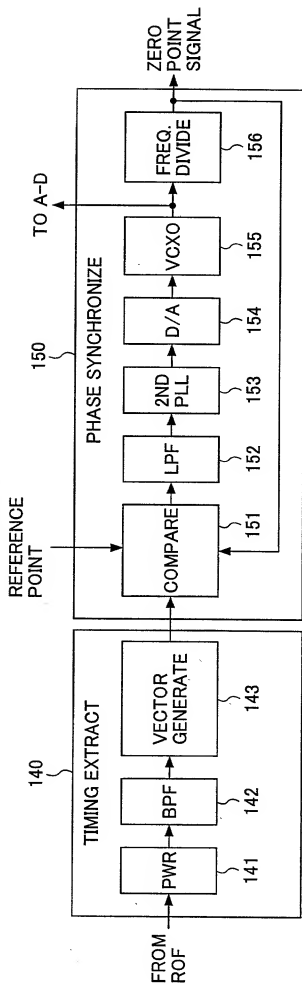


FIG.10

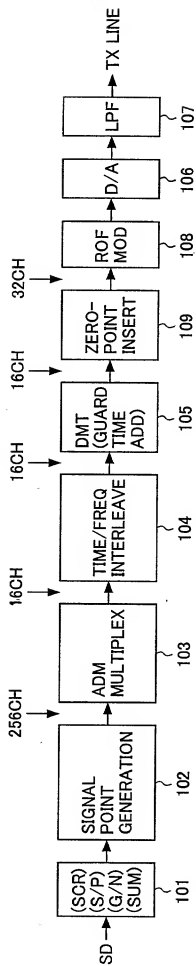
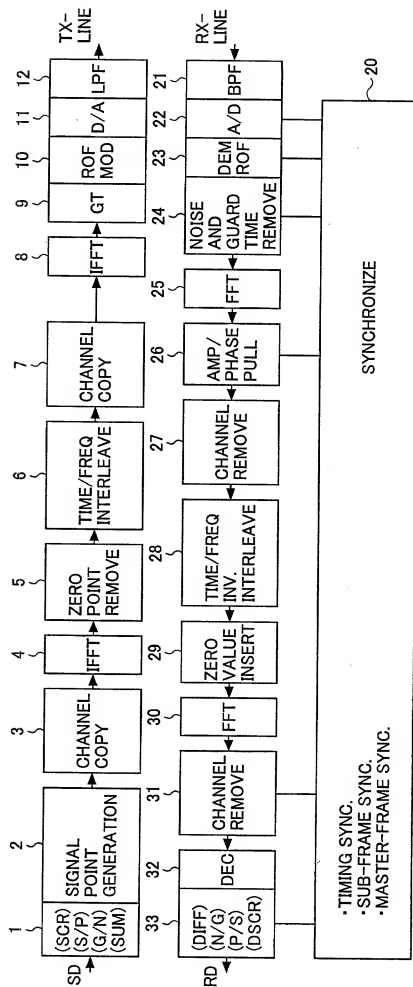


FIG. 12



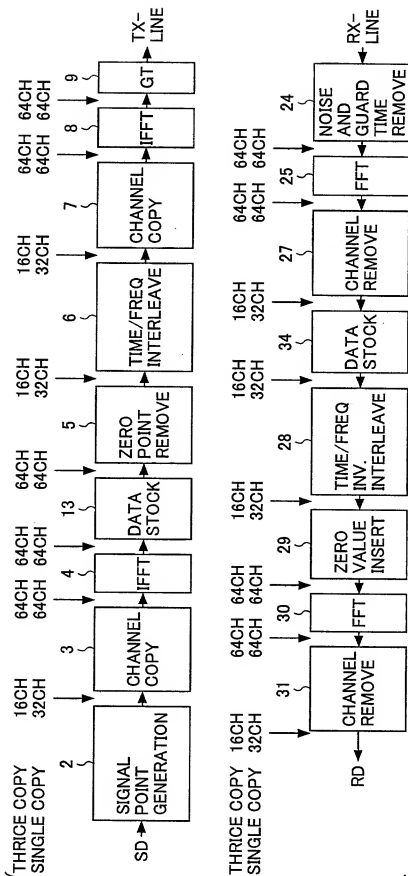


FIG.14A

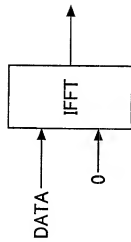


FIG.14D

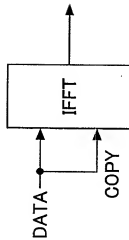


FIG.14B

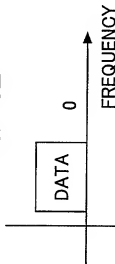


FIG.14E

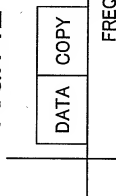


FIG.14G

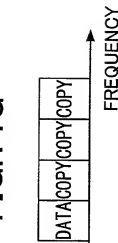
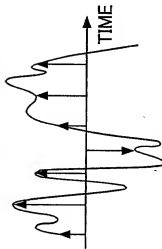
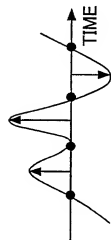


FIG.14C



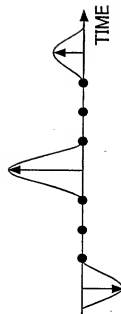
(ZERO INSERTION)

FIG.14F



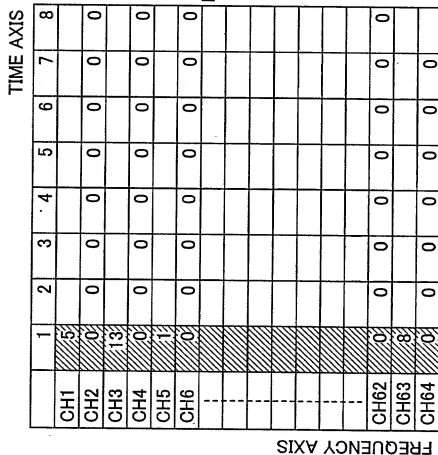
(SINGLE COPY)

FIG.14H



(THRICE COPY)

FIG.15A



(DATA STACK)

FIG.15B

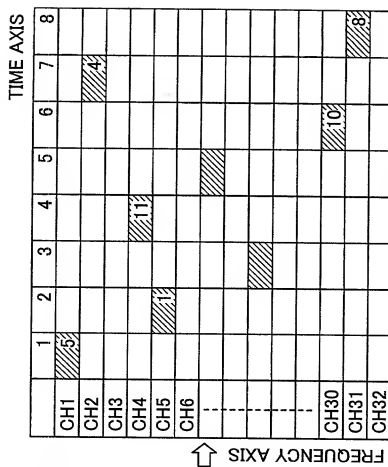


FIG.16A

	1	2	3	4	5	6	7	8
CH1	5							
CH2	0	0	0	0	0	0	0	0
CH3	0	0	0	0	0	0	0	0
CH4	0	0	0	0	0	0	0	0
CH5	1							
CH6	0	0	0	0	0	0	0	0
...								
CH62	0	0	0	0	0	0	0	0
CH63	0	0	0	0	0	0	0	0
CH64	0	0	0	0	0	0	0	0

FREQUENCY AXIS

(DATA STACK)

FIG.16B

	1	2	3	4	5	6	7	8
CH1	5							
CH2							4	
CH3								
CH4				11				
CH5		1						
CH6								
...								
CH14						10		
CH15								
CH16								8

FREQUENCY AXIS

(TWO-DIMENSIONAL INTERLEAVING)

FIG.17A SIGNAL POINT

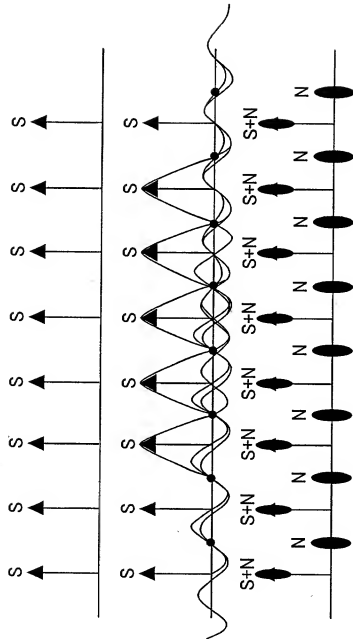


FIG.17B TRANS. SIGNAL

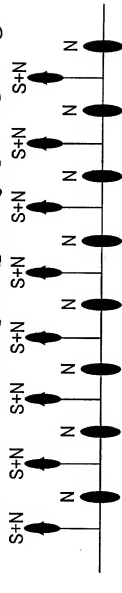


FIG.17C REC.SIGNAL

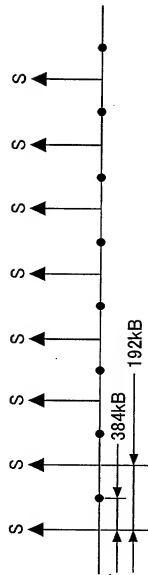


FIG.17D AFTER NOISE REMOVE

FIG.18A COPY OF TOP 16 SETS OF DATA
(ORIGINAL BAND : 288kHz)

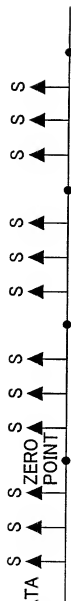


FIG.18B COPY ONCE
(ORIGINAL BAND : 192kHz)

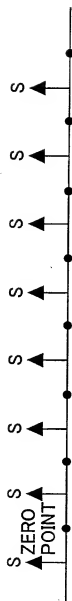


FIG.18C COPY TWICE
(ORIGINAL BAND : 128kHz)



FIG.18D COPY THRICE
(ORIGINAL BAND : 96kHz)

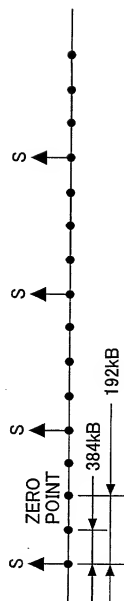


FIG.19A

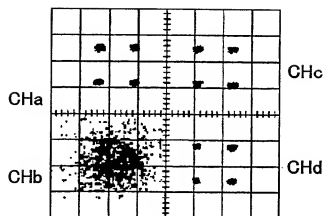


FIG.19B

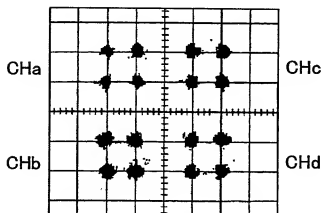


FIG.20

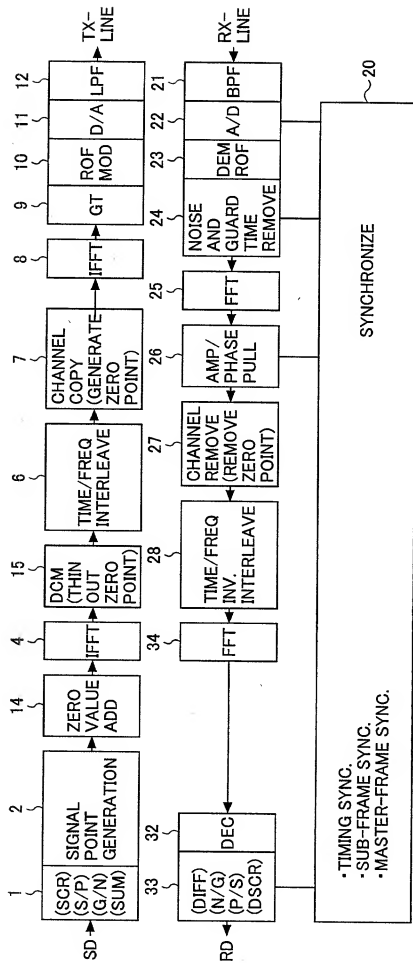


FIG. 21

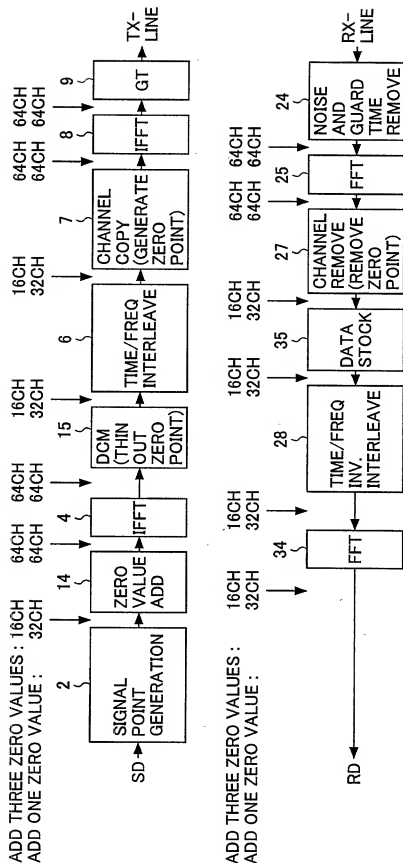


FIG.22

PROBLEM	MODULATION FORM/TYPE					SCHEME
	QAM	DMT	OFDM	SS	INVENTION	
LINK EQUATION	▲	○	○	▲	○	EMPLOY DMT
MULTIPATH	▲	○	○	○	○	EMPLOY DMT
USELESS BAND REMOVAL	○	▲	▲	▲	○	EMPLOY QAM CHANNEL
NOISE FLUCTUATION	○	▲	▲	○	○	EMPLOY TIME-AND- FREQUENCY INTEGRATION